Bohn, Diana Page 1 of 1

Booth, Elaine Page 1 of 1

--Original Message---From: Diana Bohn [mailto:nicca@igc.org] Sent: Monday, April 26, 2004 8:31 AM To: tom.grim@oak.doe.gov Subject: DOE 10 Year plan for Livermore is a plan for disaster! Diana Bohn 618 San Luis Road Berkeley, CA 94707 April 26, 2004 Mr. Tom Grim DOE, NNSA 1.283 7000 East Ave Livermore, CA 94550 Dear Mr. Grim and Department of Energy: The 10-year plan for Livermore Labs is absolutely appaling! 1. More than DOUBLING the limit for PLUTONIUM at Livermore Lab from 1,540 pounds to 3,300 pounds, enough to make more than 300 nuclear bombs. As you know, one microscopic particle of 1/33.01 plutonium, if inhaled, can cause lung cancer or other diseases. This plan jeapordizes the health & lives of people in the Livermore area. 2. A BOMB PRODUCTION PLANT: This SWEIS plan makes Livermore Lab the place to test new technologies for MANUFACTURING PLUTONIUM PITS for nuclear weapons. Whatever happened to disarmament and non-proliferation? There is no other country that even remotely 2/02.01 poses a nuclear threat. This kind of wasteful development puts resources in the wrong place as well as threatening to destroy the world. We should be concentrating on healthcare and education, not on nuclear 3. Preparation for a return to FULL-SCALE, UNDERGROUND NUCLEAR TESTING: This plan also 3/39.01 calls for Livermore Lab to develop diagnostics to "enhance" the nation's readiness to conduct full-scale underground NUCLEAR TESTS. This is a dangerous step back to the days of unrestrained nuclear testing. 4. REVIVAL of a project that was cancelled more than 10 years ago because it was dangerous and 4/27.01 unnecessary. The project is called PLUTONIUM - ATOMIC VAPOR LASER ISOTOPE SEPARATION. This is a scheme to heat and vaporize plutonium and then shoot multiple laser beams through the vapor to 33.01 separate out plutonium isotopes. To do this, Livermore Lab plans to increase how much plutonium can be used in a single room from 44 pounds to 132 pounds - a 3-fold increase. Plutonium - Atomic Vapor Laser Isotope Separation is both a health risk and a nuclear proliferation nightmare. 5. Adding PLUTONIUM, highly-enriched uranium and lithium hydride to experiments in National Ignition Facility (NIF) megalaser when it is completed at Livermore Lab. Using these materials in the NIF will 5/26.01. increase its usefulness for nuclear weapons development. It will also make the NIF more hazardous to workers and the environment. We must stop NIF - and these dangerous, new experiments in it. The NIF 26.03 was a big boondoggle in the first place! 6. Allowing the MANUFACTURE of radioactive TRITIUM TARGETS for the NIF megalaser on site at 6/34.01 Livermore Lab. Making fusion targets will increase the amount of tritium that is used in any one room at the Livermore Lab from the current limit of just over 3 grams to 30 grams -- a nearly 10-fold increase. I am extremely upset to learn of these plans! 7/07.01 Please rethink the role of the Department of Energy! The Department should be concentrating on developing technologies for clean-up and for renewable energy sources! Diana Bohn

From: "Elaine Booth" <esbooth1@cox.net>
To: "Mr.Tom Grim" <tom.grim@oak.doe.gov>
Subject: My comments on six dangerous new programs being proposed at Liver more Lab
Date: Tue, 18 May 2004 18:09:06 -0700

Elaine Booth 3 Winterbranch Irvine, CA 92604

May 18, 2004

Mr. Tom Grim DOE, NNSA L-293 7000 East Ave. Livermore, CA 94550

Dear Mr. Grim:

1/02.01

I write to you because the DOE has prepared a draft Site Wide Environmental Impact Statement (SWEIS) that proposes to ramp up nuclear weapons activities at the Livermore Lab in Northern California. Livermore Lab is working on the design of a new, high-yield nuclear bunker-buster, called the "Robust Nuclear Earth Penetrator," and I oppose its development. Additionally, I oppose the development of so-called "mini-nukes" and other new nuclear weapons concepts being researched at Livermore Lab.

Instead of proposing new weapons projects, DOE should enhance the peaceful, civilian scientific capabilities and mission at Livermore Lab by proposing new, unclassified programs in environmental cleanup, non-polluting and renewable energy, earth sciences, astrophysics, atmospheric physics and others. The alternative of a "green lab" in Livermore should be pursued instead of the dangerous nuclear weapons future proposed by the Site Wide Environmental Impact Statement.

Sincerely.

Elaine Booth

March 2005

Chapter 2 - Comment Documents LLNL SW/SPEIS

Boudreau, Drew M. Page 1 of 1

----Original Message----

From: Drew [mailto:peopleschampion@cox.net]

Sent: Monday, April 26, 2004 7:58 PM

To: tom.grim@oak.doe.gov

Subject: No Nuclear or Chemical tests

Mr. Grim,

As a Californian, American and anti-nuclear patriot, I urge you not to go through with the 10-year plan proposed by President Bush's ODE. Nuclear weapons are a threat to all humanity and their existence should be ended as quickly and safely as possible. America 1/04.01 cannot continue the nuclear arms race by itself. And chemical weapons are dangerous and have no place in an American army, which has always had a fine reputation for justice and balance, while chemical weapons are torturous to their victims are indisputably cruel. Thank you for your consideration.

Drew Boudreau, Santa Ana, Ca.

Drew M. Boudreau PeoplesChampion@cox.net

Bough, Patricia Page 1 of 1

1/04.01, 32.04

Thank you for this opportunity to express individual feedback on the final LLNL SW/SPEIS. I oppose increased plutonium storage in the Superblock. I oppose increased plutonium material-at-risk limits in two rooms in the Plutonium Facility. I oppose increased Tritium Facility limits. I object to the use of proposed materials on the NIF.

I, as a resident of Livermore and as a US citizen, support scientific research and testing at LLNL for non-nuclear and non-destructive purposes in the human and physical environment only. Towards this goal, I thank you and other employees.

Sincerely, Patricia Bough 454 Curlew Rd., Livermore CA 94551 May 27, 2004

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Bournique, Roger Page 1 of 1

----Original Message---From: ROSER BOURNIQUE [mailto:rbournique@hotmail.com]
Sent: Wednesday, April 21, 2004 3:03 PM
To: Tom.grim@oak.doe.gov
Subject: Development of nuclear weapons

1/02.01, 32.04 Mr. Grim, please do everything in your power to dismantle all nuclear weapons. Even one is way too many. In this war on Irag that is the current blasphemy. We have dumped about 350 thousand tons of depleated uranium on Irag. Our troops and the Iraq! people will be suffering the effects of this for generations to come. This represents nuclear holocaust. I am a Buddhist and have devoted my life to non-violence. I hope you will see that developing any nuclear weapon will only serve to destabilize any chance for peace. The only reason they are being developed , as far as I can see , is to line the pockets of the military defense industries. Please, Mr. Grim, turn away from the development of this dangerous poison. Develope pathways to peace! Very sincerely yours, and hands together in gossho, Roger Bournique

Bournique, Roger Page 1 of 1

TOM GRIM DOCUMENT MANAGER

DEAR MR. GRIM,

HELLO, MR. GRIM. I AM A BUDDHIST LAYPERSON IN THE NICHIREN TRADITION.

I HOPE YOU WILL TAKE A MOMENT TO READ MY LETTER.

I UNDERSTAND FROM WHAT I'VE BEEN READING IN THE PAPER THAT LIVERMORE

LABORATORIES WILL BE EXPANDING, AND THE AMOUNT OF PLUTONIUM STORED THERE WILL BE DOUBLED. I FEEL THIS A GRAVE MISTAKE. NOT ONLY ARE THE LABS GLOSE TO MAJOR POPULATION CENTERS, BUT ALSO IN AN AREA THAT IS SEISMICLY ACTIVE. PLUTONIUM IS FAR TO POISONOUS A SUBSTANCE TO BE HANDLED WITH ABSOLUTE SAFTEY. I ALSO FEEL THAT THE PRODUCTION OF ANY NUCLEAR WEAPONS OR SUBSTANCES IS MORALLY AND SPIRITUALLY WRONG. THE VERY FIRST PRECEPT IN THE TRADITION WHICH I STUDY AND PRACTICE IS, 'NOT TO KILL.' I MUST DO EVERYTHING I CAN AS A PROVISIONAL, AND INTEGRAL PART OF THIS VAST, DELICATE AND IMPERMANENT HUMAN FAMILY TO SPEAK WITH RESPECT AND NON-VIOLENCE TO THOSE WHO ARE IN A POSITION TO HELP AND MAKE AND PREVENT WAR. THE ONLY WAY WE AS A HUMAN FAMILY CAN ACHIEVE A PEACEFUL WORLD IS TO TAKE THE FIRST STEP AND VOW TO MAKE NON-VIOLENCE A PRIORITY IN OUR HEARTS AND DIRECT THE PEACEFUL PRACTICES TOWARD THE RESOLUTION OF WORLD HUNGER, EDUCATION, CONFLICT RESOLUTION, SAFE AND NON-POLLUTING ENERGY SOURCES. THE LAST BEING SOMETHING YOU WOULD BE VERY GOOD AT, MR. GRIM.

PLEASE MR. GRIM TAKE A MOMENT, JUST A MOMENT TO STEP BACK AND WITH MINDFULNESS, CONSIDER THE OPTION OF NUCLEAR DISARMAMENT AND THE PRODUCTION OF SAFE AND NON-POLLUTING ENERGY RESOURCES, I.E., SUN, WIND, TIDAL, METHANE, AND POSSIBLY HYDROGEN PRODUCED FROM CRACKING WATER. THANK YOU FOR READING MY LETTER. HANDS HELD TOGETHER IN GOSSHO, THAT IS RESPECT.

OGER BOURNIQUE

March 2005

2-35

Chapter 2 - Comment Documents LLNL SW/SPEIS

Bouyea, Lauren D. Page 1 of 1

Bowman, Margaret Page 1 of 2

Dear Mr. Grim.

I am writing in regards to the draft Site-Wide Environmental Impact Statement for the proposed 10-year plans at the Lawrence Livermore National Laboratory. I had the privilege and pleasure to attend the public hearings regarding the proposed changes in Livermore on April 27, and was deeply moved by the eloquence and power of the speakers present. I am writing in accord with those speakers to ask that the plan not be implemented, and that all nuclear weapon creation be phased out at Lawrence Livermore, for environmental, health, security, and ethical reasons.

1/04.01 The lethal effects of nuclear waste and dangerous radioactive materials such as tritium and plutonium are well-documented. Cancer and asthma rates are high in Livermore, as they are in most communities that have been touched by nuclear testing. Livermore wines cannot be sold in Europe because the tritium levels of the wines are three times the European allowable rate. Livermore suffers from air pollution and contaminated water due to the work at the lab. The creation of nuclear weapons threatens Americans' safety for these reasons and also by encouraging other nations to create weapons of their own. By violating the Nuclear Non-Proliferation Act, America sets a poor example for the rest of the world. Instead of being a leader for peace and mature international relations, America uses its disproportionate wealth to create weapons of mass destruction in order to intimidate and incite fear. Livermore Labs is the root source of this action, and if the 10-year plan is implemented, it will only exacerbate an already dangerous situation. This is not a sustainable practice. This cannot last long.

The amazing minds at Livermore should be applied towards finding solutions for dealing 2/07.01 with our existing nuclear waste and creating alternative energy technologies that will carry us forward many years into the future. I urge you to reflect on the comments submitted by myself and others with full attention and care, with your mind and heart. What a grave and far-reaching decision lies before you.

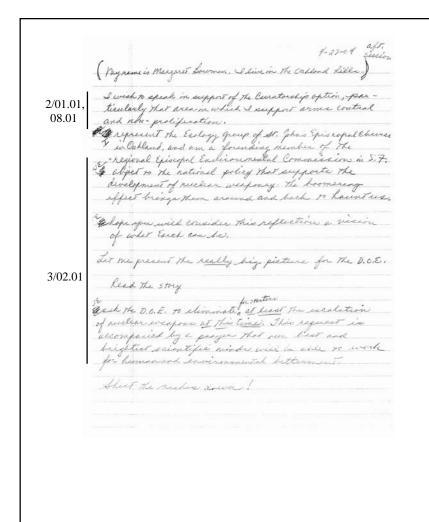
Thank you for your time, and peace be with you.

Sincerely, Lauren D. Bouyea 1601 Shoreline Highway Muir Beach, CA 94965

der the Present the Really big picture for The Digits of Energy were only a few feet in diameter, floating a few feet above a field somewhere, people would come from everywhere to marvel at it. People would walk around it, marveling at its big pools of water, its little pools and the water flowing between the pools. People would marvel at the bumps on it, and the holes in it, and they would marvel at the very thin layer of gas surrounding it and the water suspended in the gas. The people would marvel at the creatures walking around the surface of the ball, and at the creatures in the water. The people would declare it as sacred because it was the only one, and they would protect it so that it would not be hurt. The ball would be the greatest wonder known, and people would come to pray to it, to be healed, to gain knowledge, to know beauty and to wonder how it could be. People would love it, and defend it with their lives because they would somehow know that their lives, their own roundness, could be nothing without it. If the earth were only a few feet in diameter. Unknown author. 1/02.01 We ask you eliminate The escalation of nuclear Laboratory weapons direlopment at Tourone Rulear Laboratory accompanied by a proper that our best and frightest accountific minds will be able to week for human - environmental betterment, that The nuclei down.

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Bowman, Margaret Page 2 of 2



Boydston, Stanley Page 1 of 2

From: "Stanley Boydston" <stanley159stanley@cox.net> To: "Mr. Tom Grim" <tom.grim@oak.doe.gov> Subject: My comments on six dangerous new programs being proposed at Liver more Lab Date: Tue, 1 Jun 2004 13:53:30 -0700 Stanley Boydston 1328 de la guerra rd Stanley, ca 93103 June 1, 2004 Mr. Tom Grim DOE, NNSA L-293 7000 East Ave Livermore, CA 94550 Dear Mr. Grim: Please publicly oppose any new nuclear agendas other than a complete ban on any kind of nuke use, whether it be for energy or defense! Please consider this letter with my comments on the environmental and proliferation risks from proposed nuclear weapons development and new plutonium and tritium programs at the U.S. Department of Energy's (DOE) Lawrence Livermore National Laboratory (LLNL). 1/02.01 I write to you because the DOE has prepared a draft Site Wide Environmental Impact Statement (SWEIS) that proposes to ramp up nuclear weapons activities at the Livermore Lab in Northern California. Livermore Lab is working on the design of a new, high-yield nuclear bunker-buster. called the "Robust Nuclear Earth Penetrator," and I oppose its development. Additionally, I oppose the development of so-called "mini-nukes" and other new nuclear weapons concepts being researched at Livermore Lab. Here are my comments on six dangerous new programs being proposed at Livermore Lab Storage of More Nuclear Materials: This plan will more than double the storage limit for plutonium at Livermore Lab from 1,540 pounds to 3,300 pounds. It would increase the radioactive tritium storage limit from 30 grams to 35 grams. I join California Peace Action and the Livermore-based Tri-Valley CAREs group in calling on DOE to de-inventory the plutonium and 2/08.02 tritium stocks at Livermore Lab. not increase them. 2. Plutonium Atomic Vapor Laser Isotope Separation (AVLIS): This plan will revive a project that was canceled more than 10 years ago because it was 3/27.01. dangerous and unnecessary. The project is Plutonium AVLIS. This is a scheme to heat and vaporize plutonium and then shoot multiple laser beams through the hot vapor to separate out plutonium isotopes. To do this, 33.01 Livermore Lab plans to increase the amount of plutonium that can be used at one time in any one room from 44 pounds to 132 pounds - a 3-fold increase. Lioin California Peace Action and the Livermore-based Tri-Valley CAREs in calling for cancellation of this project. 4/26.01, 3. Dangerous New Experiments in the National Ignition Facility Mega-Laser This plan will add plutonium, highly-enriched uranium and lithium hydride to experiments in the National Ignition Facility (NIF) mega-laser when it is completed at Livermore Lab. Using these materials in the NIF will increase its usefulness for nuclear weapons development. It will also make

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Chapter 2 - Comment Documents LLNL SW/SPEIS

Boydston, Stanley Page 2 of 2

Brazil, Mike Page 1 of 1

4/26.01, the NIF more hazardous to workers and the environment. I join California Peace Action and the Livermore-based Tri-Valley CAREs in calling for a close out of the NIF project and termination of plans to use plutonium and other new materials in it.

cont.

4. New Technologies for Producing Plutonium Bomb Cores; This plan makes Livermore Lab the place to test new manufacturing technologies for producing plutonium pits for nuclear weapons. A pit is the softball-sized piece of plutonium that sits inside a modern nuclear weapon and triggers its thermonuclear explosion. DOE says these new technologies will then be used in a new bomb core factory, called the Modern Pit Facility (MPF). The Livermore Lab plutonium pit program will enable the MPF and production of 150 - 450 plutonium bomb cores annually, with the ability to run double shifts and produce 900 per year. This production capability would approximate the combined nuclear arsenals of France and China - each year I join California Peace Action and the Livermore-based Tri-Valley CAREs in calling for termination of this technology development project.

6/39.01

5. Enhancing Readiness to Resume Full-Scale Nuclear Tests: This plan calls for Livermore Lab to develop diagnostics to "enhance" the nation's readiness to conduct full-scale underground nuclear tests at the Nevada Test Site. This is a dangerous step back to the days of unrestrained nuclear testing and I join with California Peace Action and Tri-Valley CAREs to oppose any move to "enhance" U.S. readiness to conduct full-scale

6. Mixing Bugs and Bombs: This plan mixes bugs and bombs at Livermore Lab

7/35.01

It calls for collocating an advanced bio-warfare agent research facility with nuclear weapons activities in a classified area at Livermore Lab. The DOE proposes genetic modification and aerosolization (spraying) with live anthrax, plague and other deadly pathogens on site at LLNL. This could weaken the international biological weapons treaty -- and it poses a risk to workers, the public and the environment here in the California. Interestingly, this program is listed as part of LLNL's "no action alternative" as though it were an existing program -- even though it is not yet constructed, Tri-Valley CAREs has brought litigation against it, and a federal Judge has issued a "stay" prohibiting the importation of dangerous pathogens into the facility while the lawsuit moves forward. join Tri-Valley CAREs in opposing the operation of a bio-warfare agent facility at Livermore Lab.

8/04.01

I believe the DOE plan to introduce new weapons programs into LLNL will promote a new arms race and escalate the nuclear danger. Further, the DOE proposal to double LLNL's plutonium storage limit to 3,300 pounds and triple the amount held "at risk" in any one room increases the environmental threat LLNL poses to the people of California. The SWEIS propels Livermore Lab in exactly the wrong direction

9/07.01

Instead of proposing new weapons projects, DOE should enhance the peaceful, civilian scientific capabilities and mission at Livermore Lab by proposing new, unclassified programs in environmental cleanup, non-polluting and renewable energy, earth sciences, astrophysics, atmospheric physics and others. The alternative of a "green lab" in Livermore should be pursued instead of the dangerous nuclear weapons future proposed by the Site Wide Environmental Impact Statement.

Stanley Boydston

----Original Message----From: Mike Brazil [mailto:mbrazil@ttw.com] Sent: Saturday, May 08, 2004 12:29 PM To: tom.grim@oak.doe.gov Subject: Don't bring more poisons into our towns and cities!

It has come to my attention that the Department of Energy and Laurence Livermore National Laboratory plan to greatly increase production of nuclear weapons components and bring in genetically modified bio-warfare disease agents. Specifically:

- Return to full-scale nuclear testing
- * More than double the plutonium limit at the lab
- Manufacture prototype plutonium bomb cores

1/04.01

- Shoot laser beams through a plutonium vapor cloud to create a nuclear explosion
- Manufacture radioactive tritium targets, multiplying the radiation risk
- Import live anthrax, black plague, and other pathogens

Radioactive particles damage every cell in the body and cause inheritable defects. They even damage the steel lab structures. Cancer rates have increased around the lab. It sits between two earthquake faults. Ground water is contaminated. Releases drift across the

If anything, the labs should be moved to a safer, non-seismically active location. There is no excuse for putting the public at extreme risk by maintaining operations at the current location. Please reconsider your plans to increase these dangerous activities at Lawrence Livermore and instead move your operation to a location where it does not present any danger to local communities.

Mike Brazil 530-274-6593 mbrazil@ttw.com

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Brechin, Vernon Page 1 of 2

Tuesday, April 27, 2004

Vernon Brechin 255 S. Rengstorff Ave. #49 Mountain View, CA 94040-1734

Mr. Thomas Grim, Document Manager National Nuclear Security Administration Livermore Site Office, L-293 7000 East Avenue Livermore, CA 94550-9234 (925) 422-0704

RE: Draft LLNL SW/SPEIS

Dear Mr. Grim:

Thank you for this opportunity to comment on the "Draft Site-wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory and Supplemental Stockpile Stewardship and Management Programmatic Environmental Impact Statement" (DDE/EIS-0348, DDE/EIS-0236-S-3), February 2004. Most reviewers would find it impossible to, comprehensively, review the summary booklet and three volumes within the allotted comment period. My comments will cover less than 1% of the issues presented in this multiple component EIS document.

As I expected I ran across many examples of the fine art of omission. Here are just a couple of them. Clearly, the primary driving factor behind this plan is existing administration policy. At the end of Section 1.6.1 it states that scoping comments requested that the LLNL SW/SPEIS should address LLNL activities at other sites, i.e., nuclear weapons activities at the Nevada Test Site. Then it states "(t)heseg alternatives were considered unreasonable."

3/07.02

Perhaps that response is related to an estimated \$7.29 trillion of environmental damage that was rendered to the underground nuclear explosion testing portions of the NTS. Most of those tests were performed under the sponsorship of LLNL and LANL. If the present administration has its way this lab will likely resume full-scale testing at the NTS. This LLNL SW/SPEIS needs to address all aspects of the lab's impact on our environment.

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Brechin, Vernon Page 2 of 2

I also noticed some omissions that anyone with a basic understanding of nuclear fission technology should have seen. It appears in Appendix M (NIF) under Section M.5.3.13.1 Radionuclide Materials Management. Table M.5.3.13.1-2. titled Estimated Maximum Mobilizable Radionuclide Inventories (Proposed Action) is very poorly formatted and is missing large numbers of fission product radioisotopes. Many of those missing radioisotopes can be extremely harmful if released into the general environment. These include key isotopes such

cesium-137 and strontium-90. This type of omission needs to be rectified in many of the LLNL SW/SPEIS's tables and the public deserves an explanation as to why these were omitted and how these omissions damaged the impact analysis that was performed.

5/06.01

I urge the selection of the Reduced Operation Alternative though it fails to address our nation's addiction with nuclear weapons of mass destruction and this alternative fails to comply with the overwhelming sentiment of members of the public that commented on the scope of LLNL's plans.

I will provide further comments later. I hope you will take these and other public comments seriously, even if it requires the creation of a new series of EIS's or a change of existing policy. Thank you again.

Sincerely,

Vornon J. Brackin

Vernon J. Brechin

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